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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,606	12/23/2003	Yuh Cheng	MTKP0055USA	1605
27765 7590 01/16/2007 NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506			EXAMINER	
			NGUYEN, LINH THI	
MERRIFIELD, VA 22116		ART UNIT	PAPER NUMBER	
	•	•	2627	
	•			
-		:	MAIL DATE	DELIVERY MODE
			01/16/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Applicant(s) Supplemental 10/707,606 CHENG, YUH **Notice of Allowability Examiner Art Unit** Linh T. Nguyen 2627 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to _____. 2. The allowed claim(s) is/are _____. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) 🔲 All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. _____ . 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) I including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date ____. (b) I including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 5. Notice of Informal Patent Application 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 6. Interview Summary (PTO-413), Paper No./Mail Date _____. 7. Examiner's Amendment/Comment 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit 8. Examiner's Statement of Reasons for Allowance of Biological Material 9. Other **VATNE YOUNG** LHVISORY PATENT EXAMINER

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DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Winston Hsu on December 7, 2006.

The specification should be amended as follows:

On paragraph [0052], page 24, lines 11-12, the equation should be

....
$$A1 = G_{hp1}(a+c)$$
, where G_{hp1}

On paragraph [0052], page 25, lines 1-7, the equation should be

---- The corresponding operation formula is: $A2=G_{_{hp2}}(b+d)$, where $G_{_{hp2}}$ is the transformation function of the second high-pass filter 83 ($G_{_{hp2}}$ can be the same as or different to $G_{_{hp1}}$). ----

On paragraph [0053], page 27, lines 5-10, the equation should be $----AR = f(A1,A2,\Delta\tau) = G_{eq}(A1+A2) = \left|G_{eq}\right|e^{js\Delta\tau}(A1+A2), \text{ where } G_{eq} \text{ is the transformation function the equalizer 89, and } \Delta\tau ----$

On paragraph [0054], page 29, lines 7-9, the equation should be

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$$TE = G_{lpf} (DC1 - DC2)$$
 , where G_{lpf} ----

On paragraph [0058], page 32, lines 12-14, the equation should be $A1 = G_{hp}(a)$; $A2 = G_{hp}(b)$; $A3 = G_{hp}(c)$;----

On paragraph [0058], page 33, lines 1-3, the equation should be $---- A4 = G_{hp}(d) \text{ , where } G_{hp} ----$

On paragraph [0059], page 33, line 6, the equation should be

$$ASR = f(A1, A2, A3, A4, \Delta \tau) = G_{eq}(A1 + A2 + A3 + A4) = |G_{eq}|e^{js\Delta \tau}(A1 + A2 + A3 + A4)$$

On paragraph [0059], page 34, lines 1-3, the symbol should be ____ G_{eq} is the transformation function of the equalizer 109 and Δau -___

On paragraph [0062], page 37, lines 9-11, the equation should be $---TE=G_{lpf}(DSC1-DSC2+DSC3-DSC4) \ , \ \text{where} \ G_{lpf}----$

On paragraph [0064], page 38, line 10, the equation should be $----A1 = G_{hp}(a); ----$

On paragraph [0064], page 39, lines 1-5, the equation should be $----A2 = G_{hp}(b) \; ; \; A3 = G_{hp}(c) \; ; \; A4 = G_{hp}(d) \; , \text{ where } G_{hp} ----$

On paragraph [0066], page 43, lines7-9, the equation should be $---TE=G_{lpf}(DC1-DC2+DC3-DC4) \ , \ \text{where} \ G_{lpf}----$

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh T. Nguyen whose telephone number is 571-272-5513. The examiner can normally be reached on 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BUPERVISORY PATENT EXAMINER

LN December 7, 2006